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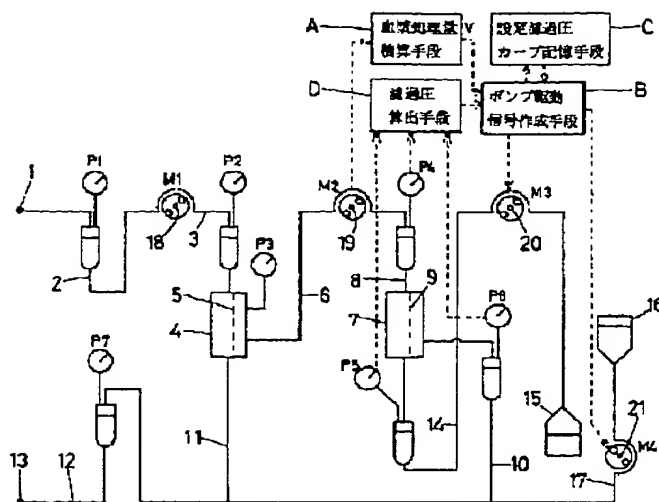
APPLICATION NUMBER : 06099053

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TITLE : CONTROLLER FOR BLOOD PUMP



ABSTRACT : **PURPOSE:** To prevent the clogging of a secondary filter generated corresponding to the characteristic of a patient from occurring by controlling the filtration pressure and blood plasma throughput of the secondary filter so as to follow specific filtration pressure characteristic stored in advance fitting in the characteristic of the patient in a double-filtration type blood treatment device.

CONSTITUTION: This double-filtration blood treatment device separates a blood cell to a blood cell component and a blood plasma component by a primary filter 4, and also, separates the blood plasma component to a high molecular weight component and a low molecular weight component by the secondary filter 7. In such a case, the blood plasma flow rate of a blood plasma pump N2 at the introducing side of the secondary filter 7 is detected by a rotating speed detector 19, and also, calculates the filtration pressure of the secondary filter 7 by a filtration pressure calculation means D in a subtraction equation between pressure detected at both upper and lower sides of the secondary filter 7. Moreover, a signal to drive a high molecular weight component discharge pump M3 and a refilling pump N4 so as to make the filtration pressure and the blood plasma throughput follow to preset filtration pressure characteristic stored in a storage means C fitting in the characteristic of every patient is generated by a pump driving signal generating means B.

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